

Dairy Farmer–I

(Job Role)

Qualification Pack: Ref. Id. AGR/Q4101
Sector: Agriculture

Textbook for Class XI

विद्यया ऽ मृतमश्नुते



एन सी ई आर टी
NCERT

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FOREWORD

The National Curriculum Framework–2005 (NCF–2005) recommends bringing work and education into the domain of the curricular, infusing it in all areas of learning while giving it an identity of its own at relevant stages. It explains that work transforms knowledge into experience and generates important personal and social values such as self-reliance, creativity and cooperation. Through work one learns to find one's place in the society. It is an educational activity with an inherent potential for inclusion. Therefore, an experience of involvement in productive work in an educational setting will make one appreciate the worth of social life and what is valued and appreciated in society. Work involves interaction with material or other people (mostly both), thus creating a deeper comprehension and increased practical knowledge of natural substances and social relationships.

Through work and education, school knowledge can be easily linked to learners' life outside the school. This also makes a departure from the legacy of bookish learning and bridges the gap between the school, home, community and the workplace. The NCF–2005 also emphasises on Vocational Education and Training (VET) for all those children who wish to acquire additional skills and/or seek livelihood through vocational education after either discontinuing or completing their school education. VET is expected to provide a 'preferred and dignified' choice rather than a terminal or 'last-resort' option.

As a follow-up of this, NCERT has attempted to infuse work across the subject areas and also contributed in the development of the National Skill Qualification Framework (NSQF) for the country, which was notified on 27 December 2013. It is a quality assurance framework that organises all qualifications according to levels of knowledge, skills and attitude. These levels, graded from one to ten, are defined in terms of learning outcomes, which the learner must possess regardless of whether they are obtained through formal, non-formal or informal learning. The NSQF sets common principles and guidelines for a nationally recognised qualification system covering Schools, Vocational Education and Training Institutions, Technical Education Institutions, Colleges and Universities.

It is under this backdrop that Pandit Sunderlal Sharma Central Institute of Vocational Education (PSSCIVE), Bhopal, a constituent of NCERT has developed learning outcomes based modular curricula for the vocational subjects from Classes IX to XII. This has been developed under the Centrally Sponsored Scheme of Vocationalisation of Secondary and Higher Secondary Education of the Ministry of Human Resource Development.

This textbook has been developed as per the learning outcomes based curriculum, keeping in view the National Occupational Standards (NOS) for the job role and to promote experiential learning related to the vocation. This will enable the students to acquire necessary skills, knowledge and attitude.

I acknowledge the contribution of the development team, reviewers and all the institutions and organisations, which have supported in the development of this textbook.

NCERT would welcome suggestions from students, teachers and parents, which would help us to further improve the quality of the material in subsequent editions.

New Delhi
June 2018

HRUSHIKESH SENAPATY
Director
National Council of Educational
Research and Training

ABOUT THE TEXTBOOK

A Dairy Farmer profitably manages various activities in a dairy farm, like production and marketing of milk, and maintaining health and productivity of cattle.

A dairy farmer is expected to demonstrate the ability to make various strategic and operational decisions in dairy production. This requires clarity of processes and a result-oriented approach. Dairy farmers are the primary producers in the milk supply chain. They add value to their product by adopting methods of production that satisfy the demands of customers and processors. The textbook gives future dairy farmers relevant guidance on how these objectives can be achieved on their farms.

The textbook has been written in a practical format for students desirous of engaging in the production of milk from dairy animals. The textbook focuses on the relationship between consumer safety and economic, social and environmental management at the farm level. The textbook contains many individual practices that contribute to good dairy farming practice, covering the key aspects of animal health, milk hygiene, nutrition, welfare, the environment and socio-economic management.

The practices recommended in the textbook have been drawn from practical experience at the Nanaji Deshmukh Veterinary Sciences University at Jabalpur, Madhya Pradesh. The students are encouraged to select and implement those guidelines that are of relevance to their situation. As such, the textbook aims to provide a framework for dairying schemes to be developed nationwide, providing individual entrepreneurs and dairy farmers the opportunity to develop dairy farming specific to their needs.

To achieve these objectives, the textbook has been developed with the contribution of many subject experts. It is hoped that the textbook will be useful for students aspiring a career in veterinary and dairying sector. Adequate care has been taken to align the contents of the textbook with the National Occupational Standards (NOS) for the job role of Dairy Farmer. This will enable the students to acquire necessary knowledge and skills as per the performance criteria mentioned in the Qualification Pack by Agriculture Skill Council of India. The textbook has been reviewed by experts so as to ensure the content is not only aligned with the National Occupational

Standards, but is also of high quality. The NOS for the job role of Dairy Farmer covered in the textbook are as follows.

1. AGR/N4101: Prepare and Maintain Livestock Accommodation
2. AGR/N4102: Establish Livestock within Accommodation
3. AGR/N4103: Provide Feed and Water for Livestock

The textbook has been divided into four units. Unit 1 gives an introduction to dairy farming, important cow and buffalo breeds and potential of dairy farming in generating employment. Unit 2 discusses preparations for livestock accommodation and how to maintain accommodation facilities at a dairy farm. Establishing livestock within accommodation and monitoring their accommodation are covered in Unit 3. Unit 4 covers provision for feed and water for livestock, receiving and storing the feed, and monitoring and maintaining the supply of feed and water to the livestock. It is hoped that this textbook will prove to be useful for students and teachers who opt for this job role. Further suggestions for improving the textbook are always welcome.

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Do You Know

According to the 86th Constitutional Amendment Act, 2002, free and compulsory education for all children in 6-14 year age group is now a Fundamental Right under Article 21-A of the Constitution.

**EDUCATION IS NEITHER A
PRIVILEGE NOR FAVOUR BUT A
BASIC HUMAN RIGHT TO
WHICH ALL GIRLS AND WOMEN
ARE ENTITLED**

*Give Girls
Their Chance !*

